

HOUSE BILL 699

By Leatherwood

AN ACT to amend Tennessee Code Annotated, Title 3,  
Chapter 1, Part 1; Title 4, Chapter 16 and Title 66,  
Chapter 6, relative to coordinate systems.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF TENNESSEE:

SECTION 1. Tennessee Code Annotated, Section 66-6-101, is amended by deleting the section and substituting the following:

**66-6-101. Designation Of Geodetic Survey System.**

(a) The most recent system of plane coordinates which has been established by the National Geodetic Survey, based on the National Spatial Reference System, and known as the State Plane Coordinate System, for defining and stating the geographic positions or locations of points on the surface of the earth within the State of Tennessee shall hereafter be known as the Tennessee Plane Coordinate System.

(b) The system of plane coordinates, known as the North American Datum of 1983, which has been established by the national ocean survey/national geodetic survey, formerly the United States Coast and Geodetic survey, for defining and stating the geographic positions or locations of points on the surface of the earth within this state is hereafter to be known and designated as the Tennessee Coordinate System of 1983.

(c) The system of plane coordinates which was established in 1927 by the United States Coast and Geodetic survey for defining and stating the positions or locations of points on the surface of the earth within this state is hereafter to be known and designated as the Tennessee Coordinate System of 1927.

(d) For the purpose of the use of either system, this state has one (1) zone as defined by the National Geodetic Survey.

(e) After December 31, 2022, the Tennessee Plane Coordinate System is the sole system recognized and utilized in Tennessee for the purposes of this chapter. Any use prior to December 31, 2022, may continue to use the Tennessee Coordinate System of 1927 or 1983 in its applications relative to redistricting.

SECTION 2. Tennessee Code Annotated, Section 66-6-102, is amended by deleting the section and substituting the following:

**66-6-102. Coordinates Used.**

The plane coordinate values for a point on the earth's surface, used to express the geographic position or location of such point, shall consist of two (2) distances expressed in United States survey feet and decimals of a foot when using the Tennessee Coordinate System of 1927, expressed in meters and decimals of a meter when using the Tennessee Coordinate System of 1983, and either United States survey feet and decimals of a foot or meters and decimals of a meter when using the appropriate zone of the Tennessee Plane Coordinate System. When the values are expressed in United States survey feet, they shall be used as the standard foot for the Tennessee Plane Coordinate System. One of these distances, to be known as the "East X-coordinate", shall give the distance east of the Y axis; the other, to be known as the "North Y-coordinate", shall give the distance north of the X axis. The Y axis of any zone shall be parallel with the central meridian of that zone. The X axis of any zone shall be at right angles to the central meridian of that zone.

SECTION 3. Tennessee Code Annotated, Section 66-6-104, is amended by deleting the section and substituting the following:

**66-6-104. Proximity To Horizontal Control Monuments Required For Use Of Coordinates.**

Unless established by geographic positioning system methods, no coordinates based on the Tennessee Plane Coordinate System, purporting to define the position of a point on a land boundary, shall be presented to be recorded in any public land records or deed records unless such point is within five kilometers (5 km) of a horizontal control monument existing or newly established in conformity with the standards of accuracy for first or second order geodetic surveying as prepared and published by the Federal Geodetic Control Committee of the United States department of commerce. Standards of the Federal Geodetic Control Committee or its successor in force on the date of such survey shall apply. The accuracy limitations described in this section may be modified by any governmental agency to meet local conditions.

SECTION 4. Tennessee Code Annotated, Section 66-6-105, is amended by deleting the section and substituting the following:

**66-6-105. Description Of Location Of Survey Stations Or Land Boundary Corners --  
Reliance On System Not Required.**

(a) For purposes of describing the location of any survey station or land boundary corner in this state, it is considered a complete, legal, and satisfactory description of such location to give the position of such survey station or land boundary corner on any system of plane coordinates defined in this chapter; provided, that any person choosing to use a system of plane coordinates to describe any such survey station or land boundary after December 31, 1992, shall use the Tennessee Coordinate System of 1983 and after December 31, 2022, shall use the Tennessee Plane Coordinate System.

(b) Nothing contained in this chapter requires a purchaser or mortgagee of real property to rely wholly on a property description, any part of which depends exclusively upon any Tennessee coordinate system.

SECTION 5. Tennessee Code Annotated, Section 66-6-106, is amended by deleting the section and substituting the following:

**66-6-106. Use Of Term System On Documents -- Designation Of System Used.**

(a) The term Tennessee Coordinate System of 1927, Tennessee Coordinate System of 1983, or Tennessee Plane Coordinate System must not be used on any map, report of survey, or other document, unless the coordinates contained within such document are based on the Tennessee coordinate system as defined in this chapter.

(b) Any document containing coordinates based upon a system of plane coordinates defined in this chapter shall contain a statement that indicates whether the Tennessee Coordinate System of 1927, the Tennessee Coordinate System of 1983, or the Tennessee Plane Coordinate System was used.

(c) The provisions of this chapter must not be construed to prohibit the appropriate use of other datums and other geodetic reference networks.

SECTION 6. The headings to sections in this act are for reference purposes only and do not constitute a part of the law enacted by this act. However, the Tennessee Code Commission is requested to include the headings in any compilation or publication containing this act.

SECTION 7. This act shall take effect upon becoming a law, the public welfare requiring it.